

FIGURE CAPTIONS

Figure S1 The chromatograms of three species (*C. wenyujin*, *C. kwangsiensis* and *C. phaeocaulis*) of Curcumae Radix extracted with 50% methanol for four times.

Figure S2 The chromatograms of *C. longa* of Curcumae Radix extracted with 75% ethanol for three times.

(C): Curcumin

(D): Desmethoxycurcumin

(B): Bisdemethoxycurcumin

Table S1 The peak area of germacrone in three species (*C. wenyujin*, *C. kwangsiensis* and *C. phaeocaulis*) of Curcumae Radix extracted with different extraction solvents

Solvent	Peak area of germacrone (mAU*s)		
	<i>C. wenyujin</i>	<i>C. kwangsiensis</i>	<i>C. phaeocaulis</i>
MeOH	310.775	278.316	73.512
MeOH/Water 75:25	404.951	366.899	110.546
MeOH/Water 50:50	454.005	424.292	160.869
MeOH/Water 25:75	256.397	220.703	87.607
EtOH	261.519	253.112	77.965
EtOH/Water 75:25	317.668	301.385	121.790
EtOH/Water 50:50	411.426	384.802	130.173
EtOH/Water 25:75	344.234	267.246	116.998

Note: MeOH (methanol); EtOH (ethanol).

Table S2 The peak area of total curcuminoids (curcumin, desmethoxycurcumin and bisdesmethoxycurcumin) in *C. longa* of Curcumae Radix extracted with different extraction solvents

Solvent	Peak area of total curcuminoids (mAU*s)
MeOH	2968.086
MeOH/Water 75:25	3124.365
MeOH/Water 50:50	4297.321
MeOH/Water 25:75	4093.761
EtOH	3659.807
EtOH/Water 75:25	4636.427
EtOH/Water 50:50	4502.389
EtOH/Water 25:75	4604.163

Note: MeOH (methanol); EtOH (ethanol).

Table S3 The peak area of germacrone in three species (*C. wenyujin*, *C. kwangsiensis* and *C. phaeocaulis*) extracted with different extraction time

Time (min)	Peak area of germacrone (mAU*s)		
	<i>C. wenyujin</i>	<i>C. kwangsiensis</i>	<i>C. phaeocaulis</i>
10	334.515	377.057	120.143
20	408.737	399.926	132.514
30	411.369	407.990	160.816
40	407.209	408.357	161.023
50	404.875	411.066	156.424
60	411.996	409.667	159.445

Table S4 The peak area of total curcuminoids (curcumin, desmethoxycurcumin and bisdesmethoxycurcumin) in *C. longa* of Curcumae Radix extracted with different extraction time

Time (min)	Peak area of total curcuminoids (mAU*s)
10	4336.000
20	4906.373
30	5195.778
40	5199.532
50	5195.258
60	5174.368

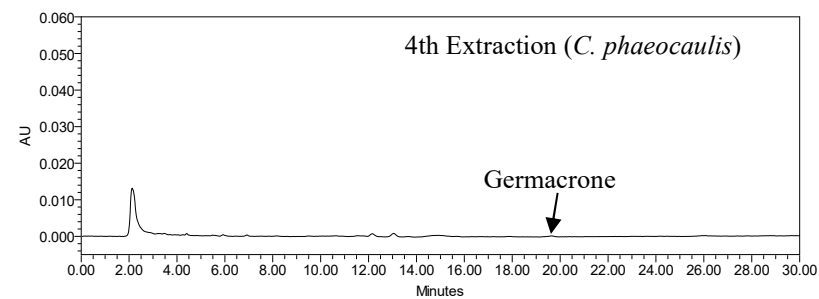
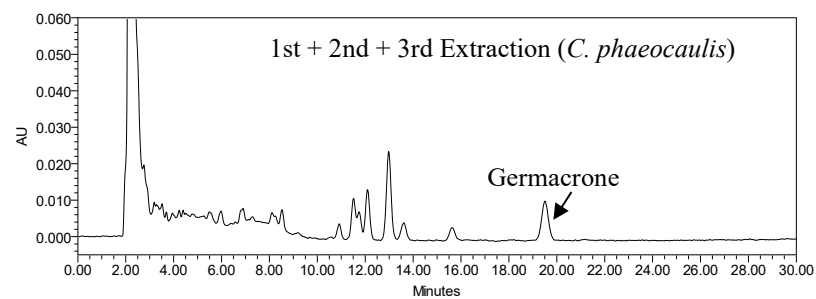
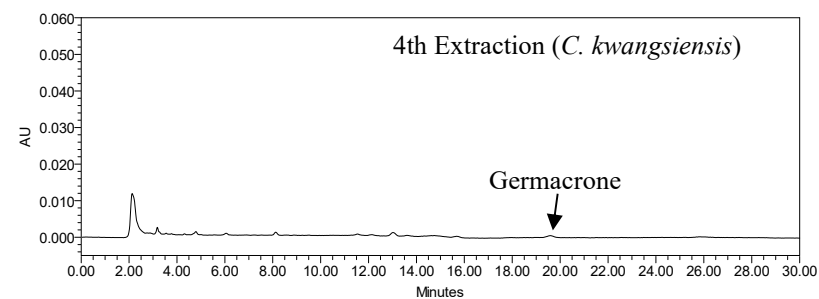
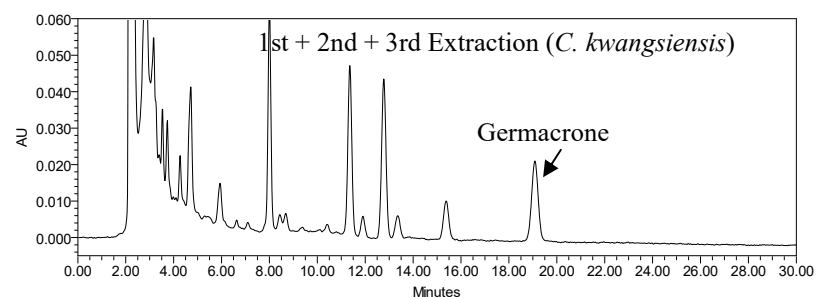
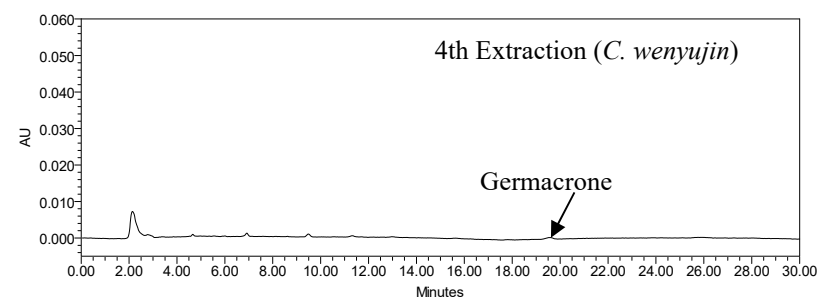
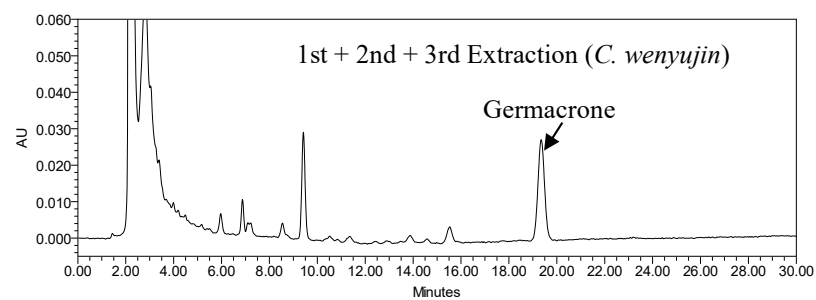


Figure S1

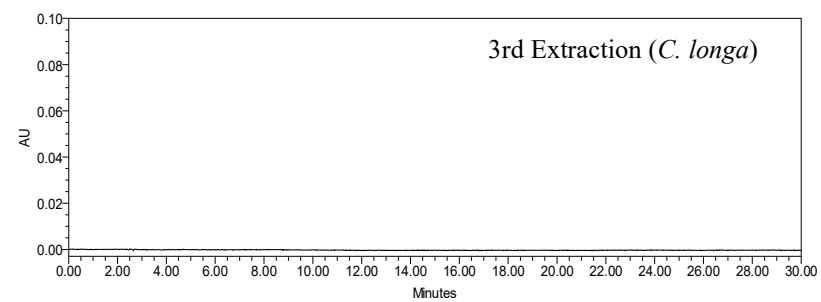
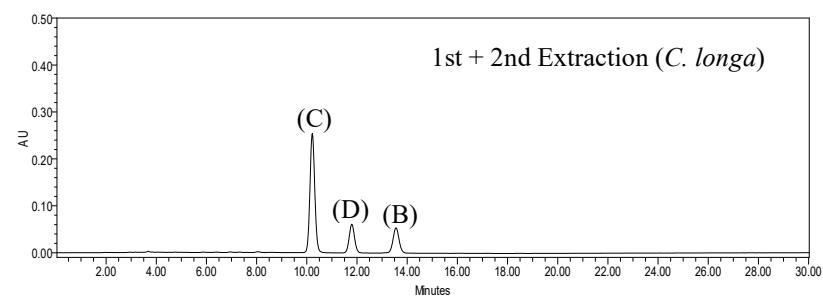


Figure S2